

Translation

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

522, 612

PCT/JP2003/009558



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| Applicant's or agent's file reference<br>WO020389  | <b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416) |   |
| International application No.<br>PCT/JP2003/009558   | International filing date (day/month/year)<br>28 July 2003 (28.07.2003)   | Priority date (day/month/year)<br>30 July 2002 (30.07.2002) |
| International Patent Classification (IPC) or national classification and IPC<br>B65B 9/10, 31/04 |   |   |
| Applicant<br>ISHIDA CO., LTD.  |   |   |

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|---|
| <p>1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>4</u> sheets, including this cover sheet.</p> <p><input checked="" type="checkbox"/> This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</p> <p>These annexes consist of a total of <u>6</u> sheets.</p>   |
| <p>3. This report contains indications relating to the following items:</p> <p>I <input checked="" type="checkbox"/> Basis of the report</p> <p>II <input type="checkbox"/> Priority</p> <p>III <input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p>IV <input type="checkbox"/> Lack of unity of invention</p> <p>V <input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p>VI <input type="checkbox"/> Certain documents cited</p> <p>VII <input type="checkbox"/> Certain defects in the international application</p> <p>VIII <input type="checkbox"/> Certain observations on the international application</p> |

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|---|--|
| Date of submission of the demand<br>25 November 2003 (25.11.2003) | Date of completion of this report<br>13 August 2004 (13.08.2004) |
| Name and mailing address of the IPEA/JP                           | Authorized officer   |
| Facsimile No.   | Telephone No.  |

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International Application No.

PCT/JP2003/009558

## I. Basis of the report

### 1. With regard to the elements of the international application:\*

- ☐ the international application as originally filed
- ☒ the description:  
 pages 1, 3-4, 6-19, as originally filed  
 pages \_\_\_\_\_, filed with the demand  
 pages 2, 5-5/1, filed with the letter of 07 April 2004 (07.04.2004)
- ☒ the claims:  
 pages 2-10, 13-18, as originally filed  
 pages \_\_\_\_\_, as amended (together with any statement under Article 19  
 pages \_\_\_\_\_, filed with the demand  
 pages 1, 11-12, filed with the letter of 07 April 2004 (07.04.2004)
- ☒ the drawings:  
 pages 1-9, as originally filed  
 pages \_\_\_\_\_, filed with the demand  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☐ the sequence listing part of the description:  
 pages \_\_\_\_\_, as originally filed  
 pages \_\_\_\_\_, filed with the demand  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_

### 2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language \_\_\_\_\_ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

### 3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

### 4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheets/fig \_\_\_\_\_

### 5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).\*\*

\* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).

\*\* Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

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International application No.  
PCT/JP 9558

## V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

### 1. Statement

|                               |        |                   |     |
|-------------------------------|--------|-------------------|-----|
| Novelty (N)                   | Claims | 3-6, 9, 14-18     | YES |
|                               | Claims | 1, 2, 7, 8, 10-13 | NO  |
| Inventive step (IS)           | Claims | 17, 18            | YES |
|                               | Claims | 1-16              | NO  |
| Industrial applicability (IA) | Claims | 1-18              | YES |
|                               | Claims |                   | NO  |

### 2. Citations and explanations

Document 1: JP 4-072160 A (Lion Corp.), 6 March 1992  
 Document 2: JP 8-040424 A (Tetra Laval Holdings & Finance SA), 13 February 1996  
 Document 3: JP 64-084831 A (Komatsu Ltd.), 30 March 1989

The inventions described in claims 1, 2, 7, 8, and 10 to 13 are disclosed in document 1 cited in the international search report, and thus, lack novelty and do not involve an inventive step.

The invention described in claims 3 to 6 does not involve an inventive step in the light of document 1 cited in the international search report and document 2 cited in the international search report. As disclosed in document 2, a person skilled in the art could easily conceive of using an appropriate means to constitute a gas temperature-changing part.

The invention described in claim 9 does not involve an inventive step in the light of document 1 cited in the international search report and document 3 cited in the international search report. A person skilled in the art could easily conceive of applying the press-and-wipe parts

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International application No.

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disclosed in document 3 to the invention disclosed in document 1.

The invention described in claims 14 to 16 does not involve an inventive step in the light of document 1 cited in the international search report. A person skilled in the art could easily conceive of using an appropriate means to constitute a heat-applying part, and of adding a post-processing device.

The invention described in claims 17 and 18 is not disclosed in any of the documents cited in the international search report, nor would it be obvious to a person skilled in the art.